

PEER-REVIEW REPORT

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Manuscript NO: 69454

Title: Learning curves of robot-assisted pedicle screw fixations based on the cumulative sum test

Reviewer's code: 06059318

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The accuracy of freehand pedicle screw fixation is not very high. A variety of robotic systems have been developed to improve the accuracy of screw placement in spine surgery. The relationship between the outcome and the learning curve is an important indicator for evaluating a new surgical technique. It takes a certain process for the surgeon to be familiar with and master surgical robot technology. This study analyzes the learning curve of robot-assisted pedicle screw fixation through fitting the operation time curve. The study is very designed and the results are very interesting. The reviewer suggests to accept this manuscript after a minor editing. 1. There is a minor language polishing, which requires an editing. 2. The reviewer can't read the formula, the authors can type it as word, or set it as images. 3. Reference list is updated and well discussed. However, the references should be revised according to the journal's guidelines.